

**Program Executive Office (PEO)
Standard Army Management
Information Systems (STAMIS)**



**INTERFACE AGREEMENT
Transportation Coordinators' Automated Information
for Movement System II (TC-AIMS II)
and
Computerized Movement Planning and Status System
(COMPASS)**

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1. General

1.1 Purpose.

The purpose of this Interface Agreement (IA) is to define the functional and physical interface established between the Computerized Movement Planning and Status System (COMPASS) and Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II).

1.2 Scope.

This interface agreement applies to all functional proponents, assigned responsible agencies, software developers, operators, users, and all others involved with the transfer of data between COMPASS and TC-AIMS II. This applies for personnel working at all TC-AIMS II locations and the prime COMPASS location at HQ, FORSCOM. This IA encompasses requirements pertaining to data, physical and logical interfaces, communications, and security.

1.3 Functional Requirement.

This interface agreement provides for a two-way data exchange required to allow COMPASS to accept Army Reserve, National Guard, and Active Component Unit Movement Data (UMD) from deployable units utilizing TC-AIMS II. The UMD is the source information of record for planning and executing movement of Army units. The interface will allow deploying units to update the baseline UMD during operational or exercise environments by creating their respective Deployment Equipment Lists (DEL). The two-way interface allows COMPASS to provide TC-AIMS II users with updated COMPASS-maintained UMD, updated ECDF, confirmations that data was received, and error listings for UMD edited by COMPASS.

1.4 Interface Overview.

Data records to be exchanged will be prepared in an ASCII formatted text file via E-mail, 3.5 HD diskette, magnetic tape or via Defense Information Systems Network (DISN). TC-AIMS II users will create UMD/DEL data export files to update the COMPASS database, COMPASS will accept UMD/DEL data files, as well as any file updates prepared by TC-AIMS II in the prescribed formats and protocols. COMPASS will electronically provide the TC-AIMS II user site with updated UMD, confirmations that data was received and error listings for UMD edited by COMPASS. Connectivity will be determined by locally available capability: LAN, WAN, modem, diskette, etc.

1.5 Responsibilities.

1.5.1 TC-AIMS II Project Manager.

The TC-AIMS II JPMO will incorporate into TC-AIMS II the functionality in the Program Executive Office (PEO) Standard Army Management Information Systems (STAMIS) Operational Requirements Document (ORD) to include the capability to export to COMPASS the UMD/DEL/ISR data files described in Appendix A and import COMPASS generated movement and deployment files as described in Appendix B.

1.5.2 COMPASS Program Manager.

The COMPASS PMO will maintain the capability to import from TC-AIMS II, UMD/DEL/ISR data files described in Appendix A. COMPASS will provide Error Listing Reports and Unit files containing unit movement and deployment data described in Appendix B.

1.6 Procedural and System Changes.

1.6.1 General.

During the life cycles of COMPASS and TC-AIMS II, the PMO of either system may discover new or changed operational requirements that will affect this interface. All affected parties will be notified in writing 120 days prior to implementing the proposed/required change(s). Notification will clearly describe the intended change(s) and will identify transaction changes that will affect the interface between COMPASS and TC-AIMS II. Modifications to TC-AIMS II will be submitted in accordance with established Configuration Management (CM) procedures and approved by the JPMO or the Joint Configuration Control Board (CCB). The party making the change will initiate the required notification.

1.6.2 Regulatory Changes.

If a procedural change is the result of a Service or Agency regulatory change, both parties to the IA will agree on the implementation actions and an effective date.

1.6.3 Functional or Technical Changes.

Changes that result in functional, technical or procedural changes, or changes to standard data tables and elements affecting only one system will be initiated by the responsible PMO. That systems PMO will propose a mutually acceptable implementation date for the change(s).

1.6.4 Year 2000 (Y2K) Compliance

The April 1997 DOD Year 2000 Management Plan directs system developers and maintainers, along with the system's functional proponent, to certify and document each systems Year 2000 (Y2K) compliance. The TC-AIMS II software suite will be certified Y2K compliant. The interface exchange date data requires Y2K compliance or implementation of consistent Y2K corrections to enable correct date data passage between COMPASS and TC-AIMS II. Current and projected status of Y2K compliance will be provided to the PMO of each system prior to approval of this Interface Agreement. COMPASS has been determined to be Y2K compliant (pending GCCS Y2K compliance) based upon United States Army Audit Agency (USAAA) survey, Oct-Dec 97.

1.6.5 Modifications.

Upon agreement, all modifications to this interface will be documented herein and recorded on the change sheet. Revised page(s) will be produced and the revised IA signed and dated by all concerned parties.

1.7 Life Cycle Maintenance.

Life-Cycle Maintenance and overall logistics support planning for TC-AIMS II is described in the Integrated Logistics Support Plan (ILSP) for TC-AIMS II. This agreement will be reviewed and augmented as required.

2. TC-AIMS II Attributes

2.1 System Attributes.

The TC-AIMS II is a top-down directed program aimed at addressing a critical shortfall in the movement of material and personnel in support of Department of Defense (DOD) transportation

operations as defined in the TC-AIMS II Mission Need Statement. TC-AIMS II falls within the DOD mission area supporting Mobility/Transportation of the DOD Personnel and Cargo. TC-AIMS II will provide unit mobility and Installation Transportation Office/Transportation Movement Offices (ITO/TMO) throughout DOD with a single, effective, and efficient Automated Information System (AIS) which provides transportation management of unit movement, passengers, and cargo during day-to-day operations within the Defense Transportation System (DTS).

The TC-AIMS II system is the result of a joint effort of the U.S. Armed Forces and the Joint Project Management Office (JPMO) headed by the U.S. Army as the Executive Agent. TC-AIMS II provides automated support to functions performed by Unit Movement Officers (UMOs) and Installation Transportation Offices/Transportation Movement Offices (ITOs/TMOs), who previously used a mixture of differing service automated systems and manual processes. TC-AIMS II goal is to improve and expedite unit movements and Transportation Operating Agency (TOA) actions, providing timely and accurate information for use at all Joint Deployment Communities (JDCs) command levels in support of CONUS (Continental United States), OCONUS (Outside the Continental United States) and in theater RSO&I (Reception, Staging, Onward Movement and Integration) operations. Processing, tracking, and reporting of data from TC-AIMS II will be available to decision-makers at various command levels via the In-transit Visibility (ITV) capability of the Global Transportation Network (GTN).

The TC-AIMS II system includes software and processes installed on service provided hardware that supports unit movement and sustainment transportation functions as well as provide access to various load planning functions. These functions are available to the TC-AIMS II user from a unit/installation level via a client/server network or a stand-alone configuration whether in-garrison or deployed.

2.2 Hardware.

The TC-AIMS II program is designed to operate on hardware provided by the Services in both workstation/replication server network and standalone environments. The workstation and standalone hardware platforms require a Pentium II computer or higher with 64 MB of RAM and 4 GB hard disk. The replication server platform requires a Pentium II processor or higher with 256 MB RAM and 5GB hard drive.

2.3 Software.

TC-AIMS II workstation and standalone platforms run under MS Windows NT (Workstation) supporting a Sybase relational database. The replication server configuration runs under MS Windows NT (Server) supporting a Sybase relational database.

2.4 Interface Attributes.

2.4.1 Procedures.

During the course of TC-AIMS II operations, a Command's designated unit movement coordinator utilizing TC-AIMS II will prepare a consolidated UMD for export to COMPASS. Applicable regulations or locally established business processes will determine the responsible agency on the installation or within the movement control center that is allowed access to the COMPASS.

In response to the requirement to update COMPASS, the system:

- a. Allows the TC-AIMS II user to select COMPASS from the export menu.
- b. Generates and transmits a file that constitutes the UMD/DEL or a change to the UMD/DEL.
- c. The file will include a header record that defines the type of file, the destination system, and the counts of other record types in the file. The destination system will be the COMPASS system at various Army designated locations.
- d. Allows a designated unit movement coordinator to import specific COMPASS generated files.

2.4.2 Data Exchange.

Data transfer will be accomplished using an ASCII text file on 3.5 HD diskette, magnetic tape, DISN or via E-mail. The data sent by E-mail will be messages containing approximately 500 records. Number will vary based on the requirement to transmit complete UIC files. The E-mail containing the data will be sent to COMPASS@FTMCPHSN-FIS.ARMY.MIL and will be proceeded by a message-notifying COMPASS of data transmission.

2.4.3 Priority.

The processing priority for this interface will default to routine.

2.4.4 Communications Link.

TC-AIMS II communications software will support data replication and open server technology interfacing with external system via the DISN (NIPRNET/SIPRNET). The actual mode used is dependent on the Service provided systems connectivity and communications capabilities to DISN or the Internet or, if collocated, the unit/base LAN. Exchanging data via 3.5 HD diskette or magnetic tape will be used when electronic communications capabilities are unavailable. A mutually agreed upon data compress/decompress program will be used to facilitate diskette data transfer.

2.5 Service Levels.

No service levels for this interface will be established. Data will be passed on an as required basis, no special processing is required.

2.6 Points of Contact.

2.6.1 Functional.

Mr. Mike Whitt
Attn.: SFEA-PS-TC
9350 Hall Road, Suite 142
Fort Belvoir, VA 22060-5526
Tel: (703) 806-0561 DSN: 656-0561

2.6.2 Technical, Communications and Security.

Mr. Willie Jones
Attn.: SFEA-PS-TC
9350 Hall Road, Suite 142
Fort Belvoir, VA 22060-5526
Tel: (703) 923-1008

2.7 Security.

The TC-AIM II software suite will be certified and accredited to meet the C2 security criteria specified in DOD 5200.28-STD (the Orange Book) and will comply with the minimum security requirements as specified in DOD Directive 5200.28.

2.7.1 Data Protection.

Data exchanged through this interface will have a data sensitivity rating no higher than sensitive but unclassified (SBU). Data protection mechanisms used for all electronic communication will be commensurate with those required for SBU data. These mechanisms will include but not be limited to those prescribed by, and derived from security policy in accordance with the DOD guidelines specified in the Assistant Secretary of Defense Letter, Attn: Command Control, Communications and Intelligence, 20 March 1997, subject: Secret and Below Interoperability (SABI). These guidelines specify the use of, where appropriate, software based data encryption compliant with the Data Encryption Standards (DES).

2.8 Communication Verification.

The FTP communication includes verification and notification modules to provide the sender notification of successful/non successful file transfer. Recovery from file transfer problems is built into the various communications protocols. If these built-in recovery functions do not result in successful completion, retransmission of the entire file is required.

2.9 System Support.

The JPMO will operate a Help Desk support system to coordinate and resolve system problems reported from TC-AIMS II users. The Help Desk will provide a single-track problem resolution interface with the software developers as outlined in the ILSP.

2.10 Data Requirements. (from TC-AIMS II to COMPASS)

2.10.1 Header "A" Record. (Table A-1, Appendix A)

Contains unit specific information and precedes the detailed information records for a particular Unit Identification Code by type data code.

2.10.2 Vehicle Data “D” Record. (Table A-2, Appendix A)

Contains information pertaining to a units vehicles (trucks, tanks, floating craft, etc. (self-propelled or towed). Each vehicle to be shipped requires a “D” record. Vehicle dimensions are usually reported in “reduced shipping configuration”.

2.10.3 Vehicle Load Data “E” Record. (Table A-3, Appendix A)

Identifies all items of equipment loaded on a vehicle for movement to the destination. This record describes loads associated with a particular vehicle.

2.10.4 Special Cargo Handling “F” Record. (Table A-4, Appendix A)

Identifies “large/heavy” cargo being shipped, identifying them in the appropriate shipping configuration (container, pallet, conex, etc.). This record is used for all equipment that can not be moved using organic assets. All bulk items are reported in this section.

2.10.5 Container and Pallet Load Data “G” Record. (Table A-5, Appendix A)

Identifies items loaded in containers, conex’s or loaded on pallets associated with the “F Record”.

2.10.6 Departure Reporting “B” Record. (Table A-6, Appendix A)

The Installation Situation Report (ISR) reports actual departure times for equipment in associated “D” and “F” records from the installation, under a specific number and the number of passengers moving by bus or airlift.

2.10.7 Rail, Commercial Truck and Bus Requirements “J” Record. (Table A-7, Appendix A)

Identifies rail, commercial truck or bus requirements needed to support the movement of the unit from origin (home station or storage site) to Port of Embarkation (POE) or mobilization station.

2.10.8 CRSO Remarks for “H0001” Record. (Table A-8, Appendix A)

Indicates if a Contingency Standing Route Order (CSRO) is required if so, provides explanations and amplifying data pertaining to the ITO/STARC.

2.10.9 CRSO Remarks for “H0002” Record (Table A-9, Appendix A)

Identifies Contingency Standing Order Requirements (CRSO).

2.10.10 Free Form Remarks for “H0003 to H9999” Records (Table A-10, Appendix A)

Provides explanations and amplifying data for the Unit reporting UMD.

3. COMPASS Attributes

3.1 System Description.

The COMPASS is an Army Command and Control support system that uses evolving computer technology with multiple system interfaces that facilitate collection and maintenance of UMD to support planning, strategic mobility analysis, movement execution, and command and control for mobilization and deployment purposes. The Army uses the COMPASS to satisfy CINC, Army and Joint Staff UMD information requirements for deliberate and crisis action planning; strategic mobility analysis, and mobilization and deployment movement execution. The COMPASS processed UMD is utilized within the Joint Operations Planning and Execution System (JOPES).

The current COMPASS uses direct interfaces with the AGGCS Army Status of Operational Readiness and Training System (ASORTS), AGGCS Mob Planning and the AGGCS Mobilization, Operations, Deployment, Employment System (MOB/ODEE) as its primary source of unit movement data to satisfy command information needs for deployment. TC-AIMS II replaces the Transportation Coordinator Automated Command and Control Information System (TC-ACCIS) as the primary interface for UMD data.

3.2 Hardware

The COMPASS system operates in client/server environment. The Server is a SUN SPARC 5/SUN 1000. The current system is GCCS COE compliant as certified by DISA in February 1996 and recertified January 1998.

3.3 Software

The COMPASS has a SYBASE Relational Database with UNIFY VISION 4th Generation Development Language (4GL), a Graphical User Interface (GUI), with graphics on the client to reduce communications requirements.

3.4 Interface Attributes.

3.4.1 Procedures.

COMPASS will generate the following files/reports to support TC-AIMS II in mobility exercise and deployment planning.

- a. Provide the TC-AIMS II an acknowledgment of file receipt that includes date and time of receipt and confirmation that the files sent were received.
- b. Provide TC-AIMS II user with an acknowledgment when UMD is "edited" by COMPASS and an "Error Report" that lists UMD error codes.
- c. Provide TC-AIMS II user with an "Error Report" that lists UMD error codes.
- d. Upon request from the TC-AIMS II user provide the COMPASS-IBS files (formerly referred to as COMPASS-SPUR data files.

3.4.2 Data Exchange.

Data transfer will be accomplished using an ASCII text file on 3.5 HD diskette, magnetic tape or via E-mail. The data file may be sent electronically where connectivity exists through a LAN, DISN NIPRNET or Internet.

3.4.3 Priority.

The processing priority for this interface will default to routine.

3.4.4 Communications Link

COMPASS is an unclassified system, which currently operates, in a classified environment. Because TC-AIMS II is an unclassified system, the only available communication means at this time is 3.5 HD diskette, magnetic tape or via E-mail.

3.5 Service Levels.

No service levels for this interface will be established. Data will be passed on an as required basis, no special processing is required.

3.6 Points of Contact.

3.6.1 Technical. The Technical Point of Contact for the COMPASS is:

Mr. Charles Pegg
HQ, FORSCOM
Ft. McPherson, GA
Tel: (404) 464-5888 DSN 367-5888

3.6.2 Functional. The Functional Point of Contact for the COMPASS is:

Mr. Howard F. Miller
HQ, FORSCOM
Ft. McPherson, GA
Tel: (404) 464-5302 (DSN) 367-5302

3.6.3 Communications. The Functional Point of Contact for the COMPASS is:

Mr. Jerry Solinnberger
HQ, FORSCOM
Ft. McPherson, GA
Tel: (404) 464-2892

3.6.4 Security. The Security Point of Contact for the COMPASS is:

Ms. Hazel Galloway
HQ, FORSCOM
Ft. McPherson, GA
Tel: (404) 464-5811 DSN 367-5811

3.7 Security.

Data exchanged through this interface will have a data sensitivity rating no higher than sensitive but unclassified (SBU). Data protection mechanisms used for all electronic communication will be commensurate with those required for SBU data. These mechanisms will include but not be limited to those prescribed by, and derived from security policy in accordance with the DOD guidelines specified in the Assistant Secretary of Defense Letter, Attn: Command Control, Communications and Intelligence, 20 March 1997, subject: Secret and Below Interoperability (SABI). These guidelines specify the use of, where appropriate, software based data encryption compliant with the Data Encryption Standards (DES).

3.8 Communication Verification.

The FTP communication includes verification and notification modules to provide the sender notification of successful/non successful file transfer. Recovery from file transfer problems is built into the various communications protocols. If these built-in recovery functions do not result in successful completion, retransmission of the entire file is required.

3.9 Systems Support.

Problems encountered will be resolved by the System Administrator or forwarded to COMPASS PMO for resolution.

3.10 Data Requirements. (from COMPASS to TC-AIMS II)

FORCOM provides a file of UICs containing Unit Movement Data for initially load TC-AIMS II site data or to rebuild the users database should the file or records in the file become corrupted.

3.10.1 Header “A” Record for UMD Transmitted to TC-AIMS II (Table B-1, Appendix B)

Precedes the detailed information for a particular Unit UIC, contains standard unit specific information.

3.10.2 Vehicle Data “D” Record or Special Handling “F” Record for UMD Transmitted to TC-AIMS II (Table B-2, Appendix B)

The “D” record contains information pertaining to a units vehicles (trucks, tanks, floating craft, etc. (self-propelled or towed)). Vehicle dimensions are usually reported in “reduced shipping configuration”.

The “F” record contains information identifying large/heavy cargo items, containers and pallets in their appropriate shipping configuration. All bulk items are reported in this section.

3.10.3 Vehicle Load Data “E” Record and Containers or Pallets Load Data “G” Record for UMD Transmitted to TC-AIMS II (Table B-3, Appendix B)

“E” Records identify all items of equipment loaded on a vehicle for movement to the destination.

“G” Record identifies all items loaded in Containers on Pallets associated with the “F” Record.

3.10.4 Rail, Commercial Truck & Bus Requirements “J” Record (Table B-4, Appendix B)

Identifies rail, commercial truck or bus requirements needed to support the movement of the unit from origin (home station or storage site) to Port of Embarkation (POE) or mobilization station.

3.10.5 CSRO Remarks for “H0001” Record (Table B-5, Appendix B)

Identifies Contingency Standing Order Requirements (CSRO).

3.10.6 Free Form Remarks for “H0003 to H9999” Record (Table B-6, Appendix B)

Provides explanations and amplifying data for the Unit reporting Data.

3.10.7 Error Listings.

The Error Listing File is in the same format as the record submitted, errors are underlined and a clear text message is provided explaining the error.

4. Appendix A

Table A-1, Header “A” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
BLANK	9 to 10	2			
UNIT LINE NUMBER	11 to 17	7	A/N	User receives from TPFDD or FORSCOM	M
RECORD TYPE	18	1	A	Always an “A”	M
SUBMISSION DATE	19 to 27	9	A/N	DDMMYYYY. Date change, add, delete is submitted to COMPASS.	M
TOTAL STRENGTH	28 to 31	4	N	Enter the unit’s aggregate strength (e.g. required strength is 156 enter 0156). For updates complete only to change strength on file.	M
ENCHELON’S AND STRENGTH	32 to 73	42	N	Echelon’s and Strength fields may me used as determined by the UMC/DMC.	O
BLANK	74 to 78	5		Not Used	
TYPE REPORT	79	1	A	“A” = Add; “C”= Change; “D”= Delete	M
TRANSACTION CODE	80	1	A	Always an “A”	M
M = Mandatory field A = Alpha O = Optional field N = Numeric					

Table A-2, Vehicle Data “D” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
ECHELON	9 to 10	2	N	For use by UMC/DMC. May not be blank if Echelon is required.	O
UNIT LINE NUMBER	11 to 17	7	A/N	Assigned by HQ, FORSCOM	M
RECORD TYPE	18	1	A	Mandatory. Always a “D”. Combined with next field produces the SUN and becomes part of TCN	M
UNIT ENTRY NUMBER	19 to 22	4	N	First vehicle reported for initial report is 0001 with follow-on numbered consecutively. Combined with field above produces the SUN and becomes part of TCN.	M
LINE NUMBER	23 to 28	6	A/N	Enter the LIN as it appears in the MTOE Property book and TB 55-46-1. LIN is required for all “ADD” transactions. My not be blank.	M
INDEX TO THE LIN NUMBER	29 to 30	2	N	Enter the LIN INDEX Number for the applicable Model/ shipping configuration contained in TB 55-46-1. Index required for all “ADD” transactions. May not be blank.	M
BLANK	31 to 33	3			M
TYPE CARGO CODE	34	1	A	COMPASS generated. If the vehicle is loaded with hazardous cargo enter the proper Type Cargo Code from Table 5-2, FORSCOM Reg 55-2.	M
SPECIAL HANDLING CODE	35	1	N	Leave blank (the SHC code will be generates) except as follows. If classified or sensitive material is loaded on the vehicle this data element must be filled in with the proper SHC code from Table 5-3, FORSCOM Reg 55-2.	M
MODE TO POE OR MODE TO MOB STATION SHIP CODE	36	1	A/N	Enter the MPE or MMS from Table 5-4, FORSCOM Reg 55-2. Must be filled in when submitting a “ADD” transaction.	M

Table A-2, Vehicle Data “D” Record, Continued

WAIVER INDICATOR	37	1	A	Entering a “X” in column 37 indicates that the cargo vehicle has a load that exceeds the Cargo Load Limit Height contained in TB 55-46-1. Otherwise leave blank. Use an “R” to reset dimensional data to that in ECDF. IF YOU HAVE A VEHICLE WITHOUT A LIN NUMBER AND IT IS NOT IN TB 55-46-1 OR THE ECDF COMPLET FIELDS 38 THRU 78.	M
HEIGHT OF VEHICLE	38 to 41	4	N	In inches	M
LENGTH OF VEHICLE	42 to 46	5	N	In inches	M
WIDTH OF VEHICLE	47 to 51	5	N	In inches	M
VEHICLE EMPTY WEIGHT	52 to 58	7	N	In pounds. Optional. Only if different from ECDF empty weight	O
BLANK	59 to 61	3		Unused	O
ITEM DESCRIPTION	62 to 78	17	A/N	Enter type of vehicle (e.g. 5 Ton 4x4 and Model). This will give the COMPASS Manager information so a research can be made with MTMCTEA to acquire a LIN Number for the vehicle	O
TYPE OF REPORT	79	1	A	“A”= Add; “C”= Change; “D”= Delete	M
TRANSACTION CODE	80	1	N	Always a “9”	M
M = Mandatory field A = Alpha O = Optional field N = Numeric					

Table A-3, Vehicle Load Data “E” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
ECHELON	9 to 10	2	N	For use by UMC/DMC. May not be blank if Echelon is required.	O
UNIT LINE NUMBER	11 to 17	7	A/N	Assigned by HQ, FORSCOM	M
RECORD TYPE	18	1	A	Mandatory. Always an “E” . Combined with next field produces the SUN and becomes part of TCN	M
UNIT ENTRY NUMBER	19 to 22	4	N	Must be the same as the vehicle it is loaded on. Combined with field above produces the SUN and becomes part of TCN.	M
LOAD NUMBER	23 to 24	2	A	Consecutively assigned beginning with A for multiple loads on a vehicle.	M
LOAD DESCRIPTION	25 to 49	25	A/N	Free Text description of the load. Must begin in column 25. Mandatory for “ADD” transactions.	O
NUMBER OF ITEMS	50 to 53	4	N	The qty “46” is 0046.	M
TYPE EQUIPMENT	54	1	A/N	Enter appropriate code from Table 5-6, FORSCOM Reg 55-2. Required for “ADD”s	M
TYPE PACK CODE	55 to 56	2	A/N	Enter appropriate code from Table 5-5, FORSCOM Reg 55-2. Mandatory for “ADD” transactions.	M
LOAD DESCRIPTION WEIGHT	57 to 62	6	N	Pounds. Total Weight of Cargo on the vehicle. CAN NOT EXCEED THE CARGO LOAD LIMIT WT OF VEH IND IN TB 55-46-1.	M
LOAD DESCRIPTION CUBIC FEET	63 to 69	7	N	Total Cube (L x W x H divided by 1728). Round to next higher whole number. Mandatory for “ADD”s. can not exceed Cargo Load Limit in TB 55-46-1. If assigned a “waiver indicator”, cube can exceed limits. Containers are unwaiverable.	M
BLANKS	70 to 78	9		Not Used	M
TYPE REPORT	79	1	A	“A”= Add; “C”= Change; “D”= Delete.	M
TRANSACTION CODE	80	1	N	Always a “9”	M
M = Mandatory field A = Alpha O = Optional field N = Numeric					

Table A-4, Special Cargo Handling ”F” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	Provided the user by HQ, FORSCOM based on type deployment action and component (i.e. Reserve, NG, or Active.	M
ECHELON	9 to 10	2	N	For use by UMC/DMC. May not be blank if Echelon is required.	O
UNIT LINE NUMBER	11 to 17	7	A/N	From FORSCOM. Unit receives from TPFDD through GCCS.	M
RECORD TYPE	18	1	A	Always an "F". First letter in the SUN.	M
UNIT ENTRY NUMBER	19 to 22	4	N	Assigned incrementally to the item. Combined with the Record Type above becomes the SUN.	M
LINE NUMBER	23 to 28	6	A/N	Enter LIN as it appears in the MTOE Property Book and TB 55-46-1. LIN is required for all "ADD" entries many not be blank.	M
LINE NUMBER INDEX	29 to 30	2	N	Enter LIN INDEX Number for the applicable model and shipping configuration contained in TB 55-46-1. Index is required for all "ADD" entries. May not be blank.	M
WATER COMMODITY CODE	31 to 33	3	N	Enter WWC code from Table 5-1, FORSCOM Reg 55-2. Must be filled in on "ADD" transactions.	M
TYPE EQUIPMENT CODE	34	1	A/N	Enter TCC from Table 5-1, FORSCOM Reg 55-2. Must be filled in on "ADD" transactions.	M
SPECIAL HANDLING CODE	35	1	A/N	Enter the SHC from Table 5-3, FORSCOM Reg 55-2. Must be filled in on "ADD" transactions.	M
MODE TO POE OR MODE TO MOB STATION	36	1	A/N	Enter the MPE/MMS code from Table 5-4, FORSCOM Reg 55-2. Must be completed for "ADD" transactions.	M
BLANK	37			The remainder portion of the "F" record is used for equipment that does not have a LIN. DO NOT REPORT VEHICLES IN THIS SECTION. If you have a vehicle without a LIN contact FORSCOM Army Area Manager for assistance and further instructions.	M
LENGTH OF VEHICLE	38 to 42	5	N	In inches	M
WIDTH OF VEHICLE	43 to 47	5	N	In inches	M
HEIGHT OF VEHICLE	48 to 51	4	N	In inches	M
ITEM EMPTY WEIGHT	52 to 58	7	N	In pounds.	M
TYPE EQUIPMENT	59	1	A/N	COMPASS generated. If no LIN/LININDEX enter the appropriate code from Table 5-6, FORSCOM Reg 55-2. Complete only for "ADD" transactions or to change the T/E of a item already on file without a LIN.	M
TYPE PACK CODE	60 to 61	2	A/N	Enter the appropriate code from Table 5-5, FORSCOM Reg 55-2. Complete only for "ADD" transactions or to change the T/P of an item already on file with or without a LIN.	M
ITEM DESCRIPTION	62 to 76	15	A/N	COMPASS generated based on LIN/LIN INDEX. User described in free text if no LIN/LIN INDEX. Complete only for "ADD" transaction or to change the description on a item already on file without a LIN.	M
BLANK	77 to 78	2		Not Used	
TYPE REPORT	79	1	A	"A" = Add; "C" = Change; "D" = Delete.	M
TRANSACTION CODE	80	1	N	Always a "9"	M
M = Mandatory field O = Optional field A = Alpha N = Numeric					

Table A-5, Container and Pallet Load Data “G” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
ECHELON	9 to 10	2	N	For use by UMC/DMC. May not be blank if a Echelon is required.	M
UNIT LINE NUMBER	11 to 17	7	A/N	Assigned by HQ, FORSCOM, User entry.	M
RECORD TYPE	18	1	A	Mandatory. Always an “G”. Combined with next field produces the SUN and becomes part of TCN	M
UNIT ENTRY NUMBER	19 to 22	4	N	Must be the same as the container it is loaded in or pallet it is loaded on. Combined with field above produces the SUN and becomes part of the TCN.	M
LOAD NUMBER	23 to 24	2	A	Consecutively assigned beginning with A for multiple loads in a container or on a pallet.	M
LOAD DESCRIPTION	25 to 49	25	A/N	Begin in column 25, enter the Free Text description of the load. Mandatory for “ADD” transactions.	O
NUMBER OF ITEMS	50 to 53	4	N	The qty “46” is 0046.	M
TYPE EQUIPMENT	54	1	A/N	Enter the appropriate T/E from Table 5-6, FORSCOM Reg. 55-2. . Required for “ADD”s	M
TYPE PACK CODE	55 to 56	2	A/N	Enter the appropriate T/P from Table 5-5, FORSCOM Reg 55-2. Required for “ADD” transactions.	M
LOAD DESCRIPTION WEIGHT	57 to 62	6	N	Pounds. Total Weight of Cargo loaded in container or on a pallet. CAN NOT EXCEED THE CARGO LOAD LIMIT WT OF THE EQUIPMENT INDICATED IN TB 55-46-1.	M
LOAD DESCRIPTION (CUBIC FT)	63 to 69	7	N	Enter the total cube (length x width x height in inches divided by 1728). (Optional)	O
BLANKS	70 to 78	9		Not Used	
TYPE REPORT	79	1	A	“A”= Add; “C”= Change; “D”= Delete.	M
TRANSACTION CODE	80	1	N	Always a “9”	M
M = Mandatory field A = Alpha O = Optional field N = Numeric					

Table A-6, Departure Reporting “B” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
ECHELON	9 to 10	2	N	Enter the appropriate Echelon if applicable.	O
UNIT LINE NUMBER	11 to 17	7	A/N	Assigned by FORSCOM. Input by user.	M
DEPLOYMENT INDICATOR	18	1	A	Always a “B”	M
ENTRY NUMBER	19 to 23	5	A/N	Corresponds to the SUN number from the “D” or “F” record. Mandatory Field.	M
DATE-TIME GROUP	24 to 37	14	A/N	DDHHMMZMMYYYY.	M
MODE TO POE; MODE TO MOB SITE	38	1	A/N	Enter the Mode to POE or POD See Table 5-4, FORSCOM Reg. 55-2. May not be blank	M
CONTROL NUMBER	39-53	15	A/N	Enter the Control Number that is assigned to movement from the Installation (MOB Station). (Example of movements Organic Air, Bus, AMC Air, Rail, Commercial Truck, Convoy, Barge or Water Way.) May not be blank.	M
NUMBER OF PAX DEPARTING BY BUS	54 to 58	5	N	Enter the number of Passengers on each Bus departing r from the Installation. May not be blank if Passengers departed by Bus. .	O
NUMBER OF PAX DEPARTING BY AIR	59 to 63	5	N	Enter the Number of Passengers on each Sortie departing the Aerial Port. May not be blank if Passengers departed by Air.	O

Table A-6, Departure Reporting “B” Record, Continued

EST TIME OF ARRIVAL	64 to 77	14		DDHHMMZMMYYYYY	M
BLANK	78	1		Not Used	
TYPE REPORT	79	1	A	“C”= Change.	M
TRANSACTION CODE	80	1	N	Always a “9”	M
M = Mandatory field O = Optional field					
A = Alpha N = Numeric					

Table A-7, Rail, Commercial Truck, and Bus Requirements “J” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
ECHELON	9 to 10	2	N	For use by UMC/DMC. May not be blank if Echelon is required.	O
UNIT LINE NUMBER	11 to 17	7	A/N	Assigned by HQ, FORSCOM, User entry.	M
RECORD TYPE	18	1	A	Always a “J” for this record. May not be blank.	M
54 FT CHAIN TIE DOWN RAIL CAR EST.	19 to 20	2	N	I.E. enter as 01 for a single car requirement.	O
60 FT CHAIN TIE DOWN RAIL CAR EST.	21 to 22	2	N	I.E. enter as 01 for a single car requirement.	O
89 FT CHAIN TIE DOWN RAIL CAR EST.	23 to 24	2	N	I.E. enter as 01 for a single car requirement.	O
TRAILER ON FLAT CAR (TOFC)	25 to 26	2	N	I.E. enter as 01 for a single car requirement.	O
CONTAINER ON FLAT CAR (COFC)	27 to 28	2	N	I.E. enter as 01 for a single car requirement.	O
BI LEVEL REQUIREMENT	29 to 30	2	N	I.E. enter as 01 for a single car requirement.	O
TRI LEVEL REQUIREMENT	31 to 32	2	N	I.E. enter as 01 for a single car requirement.	O
53 FT GONDOLA RAIL CAR REQ.	33 to 34	2	N	I.E. enter as 01 for a single car requirement.	O
65FT GONDOLA RAIL CAR REQ.	35 to 36	2	N	I.E. enter as 01 for a single car requirement.	O
54FT DOD HEAVY DUTY RAIL CAR REQ.	37 to 38	2	N	I.E. enter as 01 for a single car requirement.	O
68FT HEAVY DOD DUTY RAIL CAR REQ.	39 to 40	2	N	I.E. enter as 01 for a single car requirement.	O
CABOOSE OR GUARD REQUIREMENT	41 to 42	2	N	I.E. enter as 01 for a single car requirement.	O
DROP FRAME TRAILER ESTIMATE	43 to 44	2	N	I.E. enter as 01 for a single car requirement.	O
LOWBOY OR LOWBED COMMERCIAL REQUIREMENT	45 to 46	2	N	I.E. enter as 01 for a single car requirement.	O
40FT FLATBED REQUIREMENT	47 to 48	2	N	I.E. enter as 01 for a single car requirement.	O
45FT FLATBED REQUIREMENT	49 to 50	2	N	I.E. enter as 01 for a single car requirement.	O
48FT FLATBED REQUIREMENT	51 to 52	2	N	I.E. enter as 01 for a single car requirement.	O
20FT SEAVAN REQUIREMENT	53 to 54	2	N	I.E. enter as 01 for a single seavan requirement.	O
40FT SEAVAN REQUIREMENT	55 to 56	2	N	I.E. enter as 01 for a single seavan requirement.	O
COACH OR BUS REQUIREMENT	57 to 58	2	N	I.E. enter as 01 for a single bus requirement.	O
TRUCK TRACTOR ESTIMATE	59 to 60	2	N	I.E. enter as 01 for a single tractor requirement.	O
BLANK	61 to 78	29		Not Used	
TYPE REPORT	79	1	A	“A”= Add; “C”= Change; “D”= Delete	M
TRANSACTION CODE	80	1	N	Always a “9”	M
M = Mandatory field O = Optional field					
A = Alpha N = Numeric					

Table A-8, CSRO Remarks for “H0001” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
ECHOLON	9 to 10	2	N	For use by UMC/DMC. May not be blank if Echelon is required.	O
UNIT LINE NUMBER	11 to 17	7	A/N	Assigned by HQ, FORSCOM, User entry.	M
RECORD TYPE	18	1	A	Must be an “H”	M
UNIT ENTRY NUMBER	19 to 22	4	N	Must be “0001”	M
CRSO REQUIRED	23	1	A	If CSRO is required enter “Y” for Yes and complete the H0001 and H0002 record. If CSRO not required enter “N” for no. If you enter a “N” got to column 79 and enter the Transaction Code and do not create the “H0002 record. Must be a “Y” or “N”. May not be blank.	O
AREA CODE	25 to 27	3	N	Telephone Area Code of ITO or STARC	M
BLANK	28	1		Not Used	
COMMERCIAL PRE-FIX	29 to 31	3	N	Telephone number pre fix for ITO/STARC.	M
BLANK	32	1		Not Used	
DSN PREFIX	33 to 35	3	N	Telephone DSN prefix for ITO/STARC. May not be blank	M
BLANK	36	1		Not Used	
TELEPHONE EXTENSION	37-40	3	N	Preferred Number of ITO/STARC. May not be blank	M
BLANK	41	1		Not Used	
ALTERNATE TELEPHONE EXT	42 to 45	3	N	Alternate Number of ITO/STARC. May not be blank	M
BLANK	46	1		Not Used	
READY TO LOAD DATE	47 to 50	4	N	Mandatory. Obtained from Installation or TAG MOB Planning Officer. The RDL is an estimate of the earliest data a unit will be ready to load at origin.	M
BLANK	51	1		Not Used	
RAILHEAD LOCATION	52 to 66	15	A/N	Location where rail cars should be spotted	M
RAILHEAD STATE	67 to 68	2	A	State the railhead is located in.	M
BLANK	69 to 78	10		Not Used	
TYPE REPORT	79	1	A	“A”= Add; “C”= Change; “D”= Delete	M
TRANSACTION CODE	80	1	N	Always a “9”	M
M = Mandatory field A = Alpha O = Optional field N = Numeric					

Table A-9, CSRO Remarks for “H0002” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
ECHOLON	9 to 10	2	N	For use by UMC/STARC . May not be blank if Echelon is required.	O
UNIT LINE NUMBER	11 to 17	7	A/N	Assigned by HQ, FORSCOM, User entry.	M
RECORD TYPE	18	1	A	Must be an “H”	M
UNIT ENTRY NUMBER	19 to 22	4	N	Must be “0002”	M
NAME OF THE RAIL CARRIER SELECTED	23 to 37	15	A/N	If unknown, enter “N/A” May not be blank for “Add” transactions	M
STATE OF THE RAIL CARRIER	38 to 39	2	A	If unknown, enter “N/A” May not be blank for “Add” transactions	M
MOTOR RAMP	40 to 54	15	A/N	Location from which a commercial carrier can be loaded. May not be blank. If unknown enter “N/A”.	M
MOTOR RAMP STATE	55 to 56	2	A	The State the ramp is located. If unknown enter “N/A”.	M

Table A-9, CSRO Remarks for “H0002” Record, Continued

MOTOR CARRIER NAME	57 to 71	15	A/N	Enter name of motor carrier that could be used for a commercial truck move. If not selected enter “N/A”	M
MOTOR CARRIER STATE	72 to 73	2	A	The State the Motor Carrier is located. . If not selected enter “N/A”.	M
BLANK	74 to 78	5		Not Used	
TYPE REPORT	79	1	A	“A”= Add; “C”= Change; “D”= Delete	M
TRANSACTION CODE	80	1	N	Always a “9”	M
M = Mandatory field A = Alpha O = Optional field N = Numeric					

Table A-10 Free Form Remarks for ”H0003 to H9999” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
UNIT IDENTIFICATION NUMBER	1 to 6	6	A/N		M
TYPE DATA CODE	7 to 8	2	A/N	First Position is always alpha; the second can be alpha, numeric, or blank.	M
ECHOLON	9 to 10	2	N	For use by UMC/STARC. May not be blank if Echelon is required.	O
UNIT LINE NUMBER	11 to 17	7	A/N	Assigned by HQ, FORSCOM, User entry.	M
RECORD TYPE	18	1	A	Entry is “H”. May not be blank.	M
UNIT ENTRY NUMBER	19 to 22	4	N	Begin with “0003” for the first entry and consecutively number each additional entry “0004”, “0005” etc. May not be blank	M
TEXT	23 to 76	54	A/N	Free Form Text	M
BLANK	77 to 78	2		Not Used	
TYPE REPORT	79	1	A	“A”= Add; “C”= Change; “D”= Delete	M
TRANSACTION CODE	80	1	N	Always a “9”	M
M = Mandatory field A = Alpha O = Optional field N = Numeric					

5. Appendix B

Table B-1, Header “A” Record for UMD Transmitted to TC-AIMS II

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
SERVICE CODE	1	1	A	Always “A”	
UNIT IDENTIFICATION NUMBER	2 to 7	6	A/N		
BLANK	8 to 9	2			
SHIPMENT UNIT NUMBER (SUN)	10 to 14	5	A/N	Always “A0000”	
BLANK	15 to 17	3			
TYPE DATA	18 to 19	2	A/N	Type Unit Movement Data	
BLANK	20 to 22	3			
ABBREVIATED UNIT NAME	23 to 52	30	A/N		
STATION NAME	53 to 61	9	A/N	Abbreviated origin station name	
STATE	62 to 63	2	A/N	Abbreviated state of origin	
ORIGIN GEOGRAPHIC LOCATION CODE	64 to 67	4	A/N		
GBL OFFICE CODE	68 to 71	4	A/N	Government Bill of Lading office code	
DATE LAST UPDATED	72 to 79	8	N	“YYYYMMDD”	
SUPPORT INSTALLATION	80 to 88	9	A/N	Support installation - Station name abbreviated	
SUPPORT INSTALLATION STATE	89 to 90	2	A/N	State abbreviated name	
SUPPORT INSTALLATION LOCATION CODE	91 to 94	4	A/N		
TROOP PROGRAM SEQUENCE NUMBER	95 to 99	5	N		
TOTAL STRUCTURED STRENGTH	100 to 104	5	N		
ECHELON	105 to 106	2	N		
NUMBER OF PASSENGERS ECHELON	107 to 110	4	N		
ECHELON	111 to 112	2	N		
NUMBER OF PASSENGERS ECHELON	113 to 116	4	N		
ECHELON	117 to 118	2	N		
NUMBER OF PASSENGERS ECHELON	119 to 122	4	N		
BLANK	123	1			
UNIT LINE NUMBER	124 to 130	7	A/N		
MOB STATION	131 to 139	9	A/N	Mobilization station name abbreviated	
MOBLIZATION LOCATION CODE	140 to 143	4	A/N		
MOBILIZATION STATE	144 to 145	2	A/N		
BLANK	146 to 150	5			
A = Alpha N = Numeric					

Table B-2, Vehicle Data “D” Record or Special Handling “F” Record for UMD Transmitted to TC-AIMS II

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
SERVICE CODE	1	1	A	Always “A”	
UNIT IDENTIFICATION NUMBER	2 to 7	6	A/N		
SERVICE USE	8 to 9	2	N	Always “00”	
SHIPMENT UNIT NUMBER (SUN)	10 to 14	5	A/N	Value is “D0000” or “F0000”	
UNIT CARGO TCN IND	15	1	N	Always “0”	
SPLIT/PARTIAL SHIPMENT	16 to 17	2	A/N	Always “XX”	
TYPE DATA	18 to 19	2	A/N	Type Unit Movement Data	
ECHELON	20 to 21	2	A/N	Movement Echelon	

**Table B-2, Vehicle Data “D” Record or Special Handling “F” Record For UMD
Transmitted To TC-AIMS II, Continued**

BLANK	22 to 24	3			
LINE ITEM NUMBER	25 to 30	6	A/N		
LINE ITEM INDEX NUMBER	31 to 32	2	A/N		
ITEM DESCRIPTION	33 to 53	21	A/N		
MODEL NUMBER	54 to 65	12	A/N		
WATER COMMODITY CODE	66 to 70	5	A/N	FORSCOM 55-2 Table 5-1, 5-2, 5-3	
TYPE PACKING CODE	71 to 72	2	A/N	FORSCOM 55-2 Table 5-5	
ITEM LENGTH	73 to 76	4	N	Nearest inch	
ITEM WIDTH	77 to 80	4	N	Nearest inch	
ITEM HIEGHT	81 to 84	4	N	Nearest inch	
GROSS WEIGHT	85 to 91	7	N	Pounds	
ITEM CUBIC FEET	92 to 98	7	N		
MODE TO PORT OF EMBARKATION	99	1	A/N	FORSCOM 55-2 Table 5-4	
CARGO CATAGORY CODE	100 to 102	3	A/N	FORSCOM 55-2 Table 5-3	
HEAVY LIFT LOAD	103	1	A/N		
WAIVER INDICATOR	104	1	A/N	“X” or “ “	
NSN	105 to 117	13	A/N	National Stock Number	
BLANK	118 to 123	6			
UNIT LINE NUMBER	124 to 130	7	A/N		
BLANK	131 to 150	20			
A = Alpha N = Numeric					

**Table B-3, Vehicle Load Data “E” Record, and Container or Pallet load data “G” Record
for UMD Transmitted to TC-AIMS II**

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
SERVICE CODE	1	1	A/N	Always “A”	M
UNIT IDENTIFICATION NUMBER	2 to 7	6	A/N		M
SERVICE USE	8 to 9	2	A/N	“00” constant	M
SHIPMENT UNIT NUMBER (SUN)	10 to 14	5	A/N	Position 10 will contain a “E”. Unit number position 11-14 will contain the same number as the vehicle Unit Number. Or Position 10 will contain a “G”. Unit number position 11-14 will contain the same number as the container or pallet Unit Number.	M
UNIT CARGO TCN IND	15	1	A/N	“0” constant	M
SPLIT/PARTIAL SHIPMENT	16 to 17	2	A/N	“XX” constant	M
TYPE DATA	18 to 19	2	A/N	Type Unit Movement Data	M
ECHELON	20 to 21	2	A/N	Movement Echelon	M
BLANK	22	1			
LOAD NUMBER	23 to 24	2	A	Consecutively assigned beginning with A for multiple loads on a vehicle, containers or pallets.	M
BLANK	25 to 32	8			
LOAD DESCRIPTION	33 to 57	25	A/N	Free Text description of the load.	O
NUMBER OF ITEMS	58 to 61	4	N	The qty “46” is 0046.	M
BLANK	62 to 69	8			
TYPE EQUIPMENT	70	1	A/N	FORSCOM reg 55-2. Table 5-6	M
TYPE PACK CODE	71 to 72	2	A/N	FORSCOM reg 55-2 Table 5-5,	M
BLANK	73 to 84	12			
LOAD WEIGHT	85 to 91	6	N	Pounds. Total Weight of Cargo on the vehicle. or in a container or on a pallet.	M

**Table B-3, Vehicle Load Data “E” Record and Container or Pallet load data “G” Record
for UMD Transmitted to TC-AIMS II, Continued**

LOAD CUBIC FEET	92 to 98	7	N	Total Cube (L x W x H divided by 1728). Round to next higher whole number.	M
BLANKS	99 to 123	25			
UNIT LINE NUMBER	124 to 130	1	A/N		M
BLANK	131 to 150	20			M
M = Mandatory field O = Optional field					
A = Alpha N = Numeric					

Table B-4, Rail, Commercial Truck and Bus Requirements “J” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
SERVICE CODE	1	1	A	Always “A”	
UNIT IDENTIFICATION NUMBER	2 to 7	6	A/N		
SERVICE USE	8 to 9	2	N	Always “00”	
SHIPMENT UNIT NUMBER (SUN)	10 to 14	5	A/N	Always “J0000”	
BLANK	15 to 17	3			
TYPE DATA	18 to 19	2	A/N	Type Unit Movement Data	
ECHELON	20 to 21	2	A/N	Movement Echelon	
BLANK	22 to 23	2			
54CTDFLAT	24 to 25	2	N	Quantity 54FT. chain tie down flatcars	
60CTDFLAT	26 to 27	2	N	Quantity 60FT. chain tie down flatcars	
89CTDFLAT	28 to 29	2	N	Quantity 89FT. chain tie down flatcars	
TOFC	30 to 31	2	N	Quantity trailers on flatcars	
COFC	32 to 33	2	N	Quantity containers on flatcars	
BILEVEL	34 to 35	2	N	Quantity Bi-level rail cars	
TILEVEL	36 to 37	2	N	Quantity Ti-level rail cars	
53GONDOLA	38 to 39	2	N	Quantity 53FT gondola rail cars	
65GONDOLA	40 to 41	2	N	Quantity 65FT gondola rail cars (9FT wide)	
54DODXHVFYFLAT	42 to 43	2	N	Quantity 54FT DOD X heavy duty flatcars	
68DODXHVFYFLAT	44 to 45	2	N	Quantity 68FT DOD X heavy duty flatcars	
CABOOSE	46 to 47	2	N	Quantity caboose/guard cars	
DROPFRAME	48 to 49	2	N	Quantity dropframe trailers	
LOWBOY	50 to 51	2	N	Quantity commercial lowboys	
40FLAT	52 to 53	2	N	Quantity 40FT flatbed trailers	
45FLAT	54 to 55	2	N	Quantity 45FT flatbed trailers	
48FLAT	56 to 57	2	N	Quantity 48FT flatbed trailers	
20SEAVAN	58 to 59	2	N	Quantity 20FT SEA VANS	
40SEAVAN	60 to 61	2	N	Quantity 40FT SEA VANS	
COACHORBUS	62 to 63	2	N	Quantity commercial bus	
TRUCK TRACTOR	64 to 65	2	N	Quantity commercial tractor	
BLANK	66 to 123	58			
UNIT LINE NUMBER	124 to 130	7	A/N		
BLANK	131 to 150	20			
A = Alpha N = Numeric					

Table B- 5, CSRO Remarks for “H0001” Record

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
SERVICE CODE	1	1	A	Always “A”	
UNIT IDENTIFICATION NUMBER	2 to 7	6	A/N		
BLANK	8 to 9	2			
SHIPMENT UNIT NUMBER (SUN)	10 to 14	5	A/N	Value is “H0001”	
BLANK	15 to 17	3			
TYPE DATA	18 to 19	2	A/N	Type Unit Movement Data	
ECHELON	20 to 21	2	A/N	Movement Echelon	
BLANK	22	1			
CSRO	23	1	A/N	Contingency Standing Route Order, Must be a “Y” or “N” may not be blank.	
BLANK	24	1			
ITO/STARC-AREACODE	25 to 27	3	A/N	ITO/STARC (shipping office) area code	
BLANK	28	1			
ITO/STARC-COMM-PREFIX	29 to 31	3	N	ITO/STARC (shipping office) Commercial Prefix	
BLANK	32	1			
ITO/STARC-AUTOVON	33 to 35	3	N	ITO/STARC (shipping office) AUTOVON Prefix	
BLANK	36	1			
ITO/STARC-PHONE-EXT-PREF	37 to 40	4	N	ITO/STARC telephone extension preferred	
BLANK	41	1			
ITO/STARC-PHONE-ALTERNATE	42 to 45	4	N	ITO/STARC telephone alternate	
BLANK	46	1			
UNIT READY TO LOAD DATE	47 to 50	4	A/N	First position “c” or “d”, last 3 positions numeric	
BLANK	51	1			
RAIL-HEAD-LOC	52 to 66	15	A/N	Origin rail head town	
RAIL-HEAD-ST	67 to 68	2	A/N	Rail head state	
RAIL-CARRIER	69 to 83	15	A/N	Origin rail carrier	
RAIL-CARRIER-ST	84 to 85	2	A/N	Rail carrier state	
MOTOR-RAMP-LOC	86 to 100	15	A/N	Origin motor ramp location	
MOTOR-RAMP-ST	101 to 102	2	A/N	Motor ramp state	
MOTOR-CARRIER	103 to 117	15	A/N	Origin motor carrier	
MOTOR-CARRIER-ST	118 to 119	2	A/N	Motor carrier state	
BLANK	120 to 123	4			
UNIT LINE NUMBER	124 to 130	7	A/N		
BLANK	131 to 150	20			
A = Alpha N = Numeric					

Table B-6, Free Form Remarks for “H0003 to H9999” Records

DESCRIPTION	POSITIONS	WIDTH	TYPE/CLASS	REMARKS	
SERVICE CODE	1	1	A	Always “A”	
UNIT IDENTIFICATION NUMBER	2 to 7	6	A/N		
BLANK	8 to 9	2			
SHIPMENT UNIT NUMBER (SUN)	10 to 14	5	A/N	Value is “H0003” thru “H9999”	
BLANK	15 to 17	3			
TYPE DATA	18 to 19	2	A/N	Type Unit Movement Data	
ECHELON	20 to 21	2	A/N	Movement Echelon	
BLANK	22	1			
FREE FORM	23 to 76	54	A/N	Text	
BLANK	77 to 123	47			
UNIT LINE NUMBER	124 to 130	7	A/N		
BLANK	131 to 150	20			
A = Alpha N = Numeric					

6.

7. Acronyms

Abbreviation	Description
AIS	Automated Information System
ASCII	American Standard Code for Information Interchange
AUEL	Automated Unit Equipment List
COMPASS	Computerized Movement Planning and Status System
CONUS	Continental United States
CSRO	Contingency Standing Route Order
DEL	Deployed Equipment List
DES	Data Encryption Standards
DISN	Defense Information System Network
DoD	Department of Defense
DOS	Disk Operating System
DTS	Defense Transportation System
FORSCOM	[US Army] Forces Command
FTP	File Transfer Protocol
GTN	Global Transportation Network
HP	Hewlett-Packard
IA	Interface Agreement
ILSP	Integrated Logistic Support Plan
ISR	Installation Situation Reports
IP	Internet Protocol
ITO/TMO	Installation Transportation Office/ Traffic Management Office
ITV	In-Transit Visibility
JDC	Joint Deployment Community
JOPES	Joint Operation Planning and Execution System
JPMO	Joint Program Management Office
LAN	Local Area Network
NIPRNet	Unclassified-Sensitive IP Router Network
OCONUS	Outside the Continental United States
ORD	Operational Requirements Document
PC	Personal Computer
PEO	Program Executive Office

Abbreviation	Description
PMO	Program Management Office
RSO&I	Reception, Staging, Onward Movement, and Integration
SMTP	Simple Mail Transfer Protocol
SIPRNET	Secret internal Protocol Router Network
STAMIS	Standard Army Management Information Systems
TC-AIMS II	Transportation Coordinators' Automated Information for Movement System II
TCN	Transportation Control Number
TDC	Type Data Code
TOA	Transportation Operating Agency
UMD	Unit Movement Data
UMO	Unit Movement Office/Officer
WAN	Wide Area Network

8. Definitions. See FORSCOM Reg 55-2,

9. References. See FORSCOM Reg 55-2